

IN THE CLAIMS

Listing of Claims

Claims 1-7 (Cancelled).

8. (Currently Amended) A communication apparatus that transmits a plurality of items of information data each containing a predetermined amount of information, to one receiving side communication apparatus, the communication apparatus comprising:

    a transmitting section that, after having received a response to a link establishment request from the one receiving side communication apparatus, transmits information data matching the link establishment request using a link established by the link establishment request; and

    a requesting section that establishes a next link ~~when the each time~~ information data is transmitted by transmitting a next link establishment request to the one receiving side communication apparatus, and, transmits the next [[a]] link establishment request for transmission of next information data before termination of the [[a]] link for transmitting current information data, the current information data and the next information data having been originally continuous.

9. (Currently Amended) The communication apparatus according to claim 8, wherein the requesting section transmits the next link establishment request for the transmission of the next information data immediately after the current information data has been transmitted.

10. (Currently Amended) The communication apparatus according to claim 8, wherein the transmitting section multiplexes and transmits the current information data and the next link establishment request for the transmission of the next information data.

11. (Currently Amended) The communication apparatus according to claim 10, wherein the transmitting section multiplexes the next link establishment request data and the current information data by using at least one of frequency division multiplexing, time division multiplexing, and code division multiplexing.

12. (Currently Amended) The communication apparatus according to claim 8, wherein the requesting section transmits the next link establishment request by full duplex communication which simultaneously performs transmission and reception.

13. (Currently Amended) The communication apparatus according to claim 8, wherein the requesting section transmits the next link establishment request by bi-directional simultaneous transmission using divisional multiple access.

14. (Currently Amended) A communication method for transmitting a plurality of items of information data each containing a predetermined amount of information, from a transmitting side communication apparatus to one receiving side communication apparatus, the communication method comprising the steps of:

in the transmitting side communication apparatus, transmitting a first link establishment request for transmission of current information data, to the one receiving side communication apparatus;

in the transmitting side communication apparatus, after having received a response to the first link establishment request from the one receiving side communication apparatus, transmitting the current information data to the one receiving side communication apparatus using a link established by the first link establishment request; and

transmitting a second link establishment request for transmission of next information data before termination of the [[a]] link for transmitting the current information data, the current information data and the next information data having been originally continuous.